

What is claimed is:

1. Method of modifying a radio frequency (RF) response, comprising:
establishing an RF response in a signal path of a device; and
5 controlling an actuator to structurally alter the signal path and dynamically
change an impedance of the signal path to alter the RF response.
2. Method according to claim 1, wherein modifying the RF response
includes modifying at least one of the frequency, phase and amplitude of a signal
10 received along the signal path.
3. Method according to claim 1, wherein the actuator is a
microelectromechanical system device.
- 15 4. Method according to claim 1, wherein the device is at least one of a
filter, a phase shifter and an attenuator.
5. Method according to claim 1, wherein the controlling to
dynamically change an impedance occurs in response to an external excitation.
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6. Method according to claim 1, comprising:
using undercut post CMOS processing to form the actuator, as a
dynamically movable conductor.
- 25 7. An apparatus for modifying a radio frequency (RF) response
comprising:
a signal path having an RF transfer function; and

an actuator for tuning the device by structurally changing the signal path to alter the RF transfer function.

8. Apparatus according to claim 7, wherein the actuator is a microelectromechanical system device.

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9. Apparatus according to claim 7, wherein the signal path is a segmented path having cascaded legs, wherein coupling coefficients of the cascaded legs are altered using the actuator.

10 10. Apparatus according to claim 8, wherein the microelectromechanical system is a post machined section of a CMOS circuit.